

Air conditioning system with built-in intermediate heat exchanger with two different types of refrigerants circulated.

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Inventor: OZU MASAO (JP); SANO TETSUO (JP); FURUHAMA KOKICHI (JP)

Applicant: TOKYO SHIBAURA ELECTRIC CO (JP)

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US4344296

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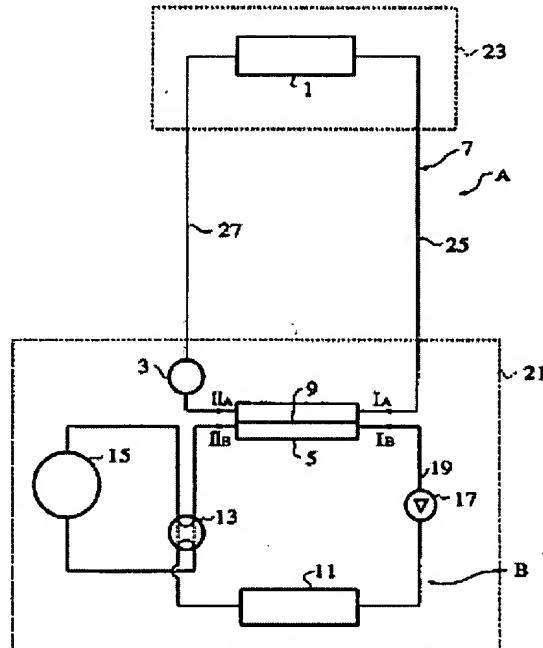
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Abstract of EP0675331

An air conditioning system in which each alternative refrigerant can be fully utilized so as to present as much as actual COP in comparison with the conventional HCFC22 and to achieve safe use as operating refrigerants. The air conditioning system includes: a first refrigerant circuit (A) in which a first refrigerant circulates, the first refrigerant circuit including: an indoor heat exchanger (1); and a fluid drive unit (3), connected to the indoor heat exchanger by way of a first piping, which drives the first refrigerant; a second refrigerant circuit (B) in which a second refrigerant circulates, the second refrigerant circuit including: a compressor (15) which compresses the second refrigerant; an expansion valve (17), connected to the compression means, for expanding the second refrigerant; and an outdoor heat exchanger (11) connected to the compressor and the expansion valve by way of a second piping; and an intermediate heat exchanger (5) for heat-exchanging between the first refrigerant in the first refrigerant circuit and the second refrigerant in the second refrigerant circuit.

FIG.1



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